

8701335

PATENT
455610-2550

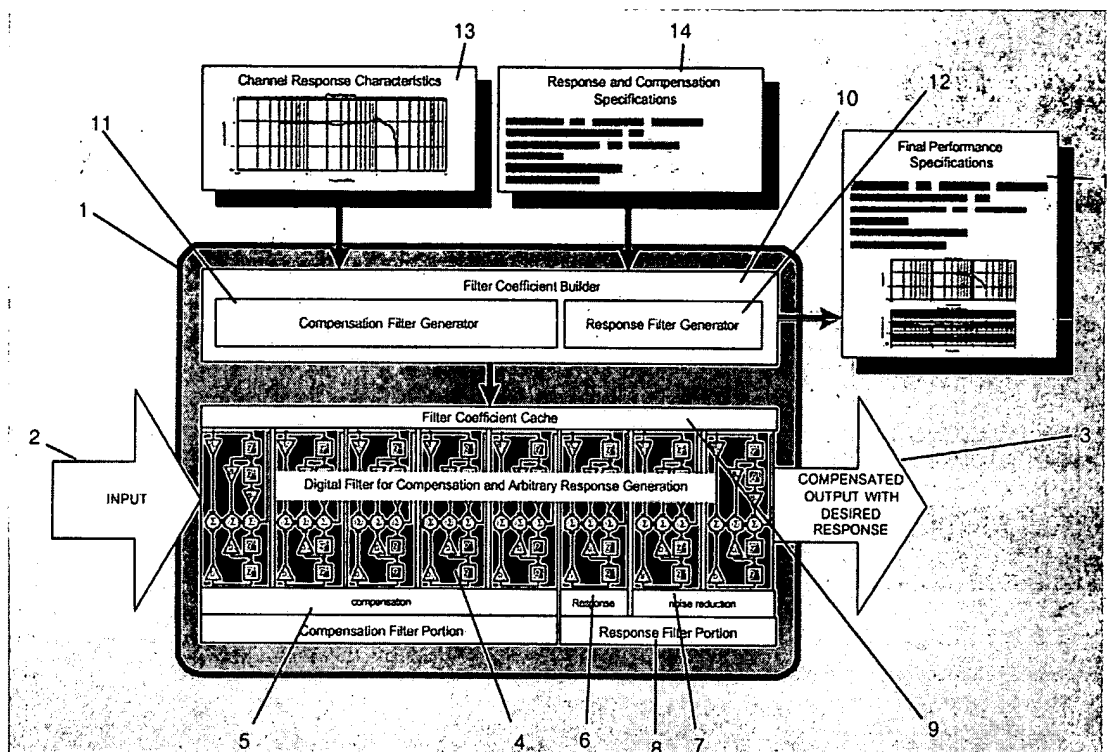


Figure 1

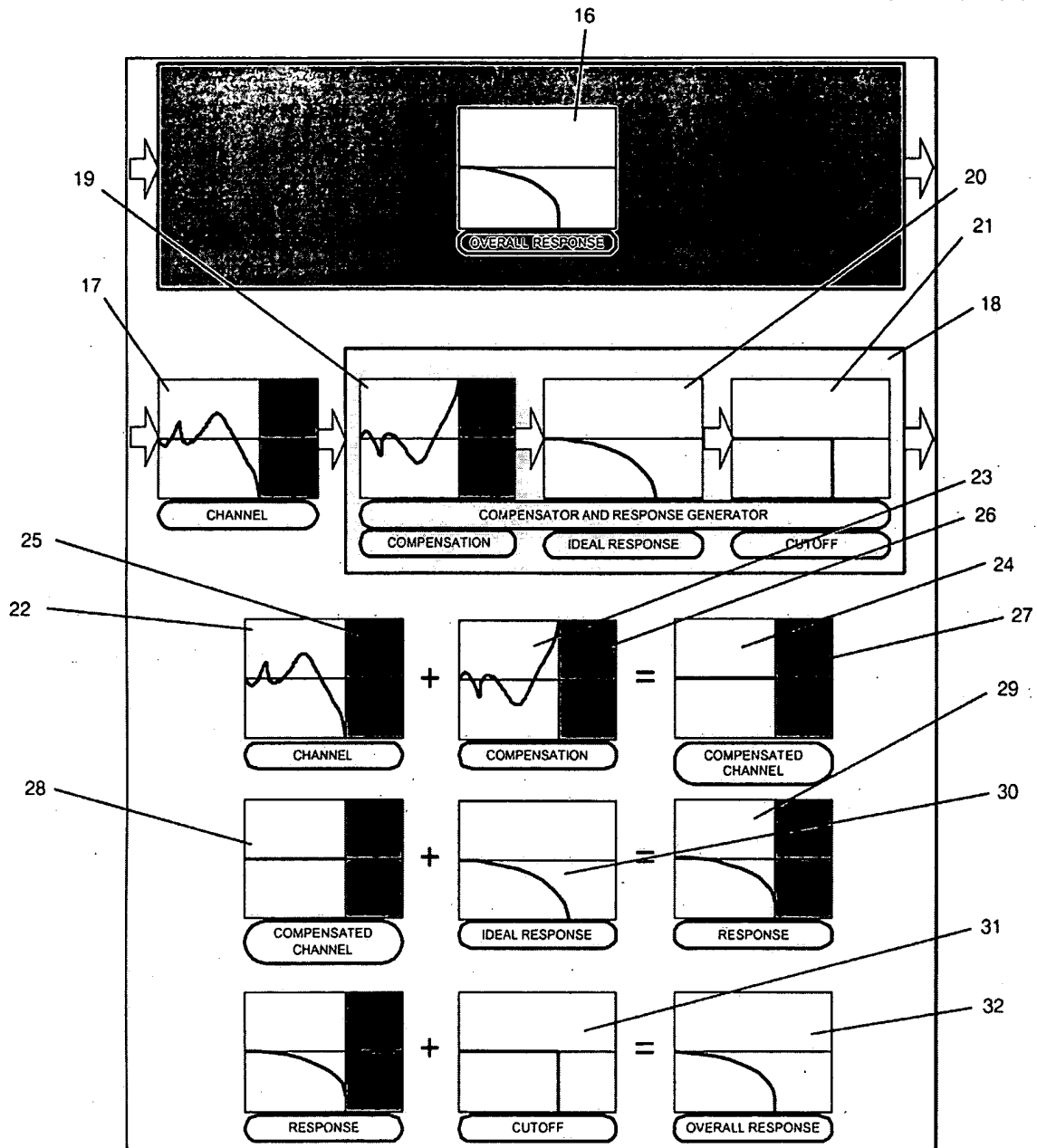


Figure 2

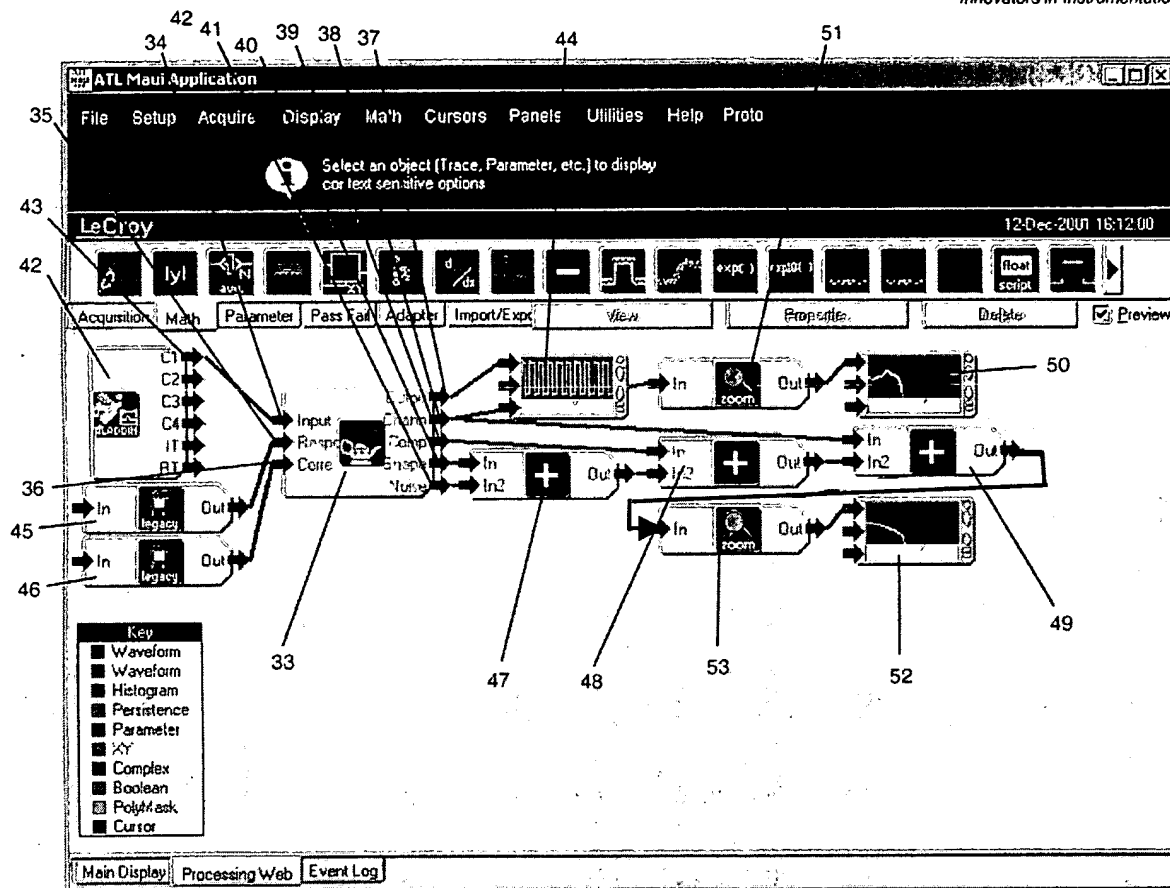


Figure 3

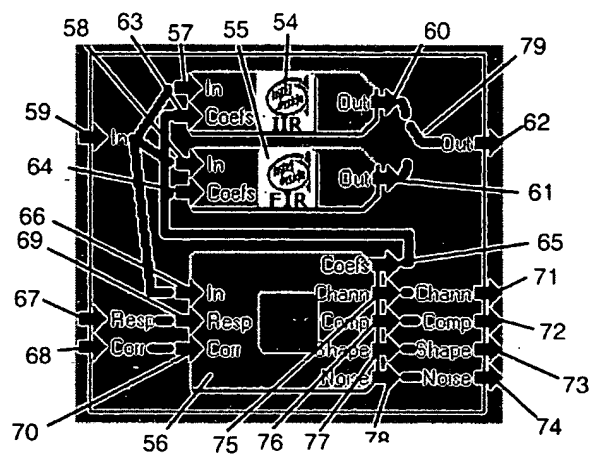


Figure 4

202220-1500600T

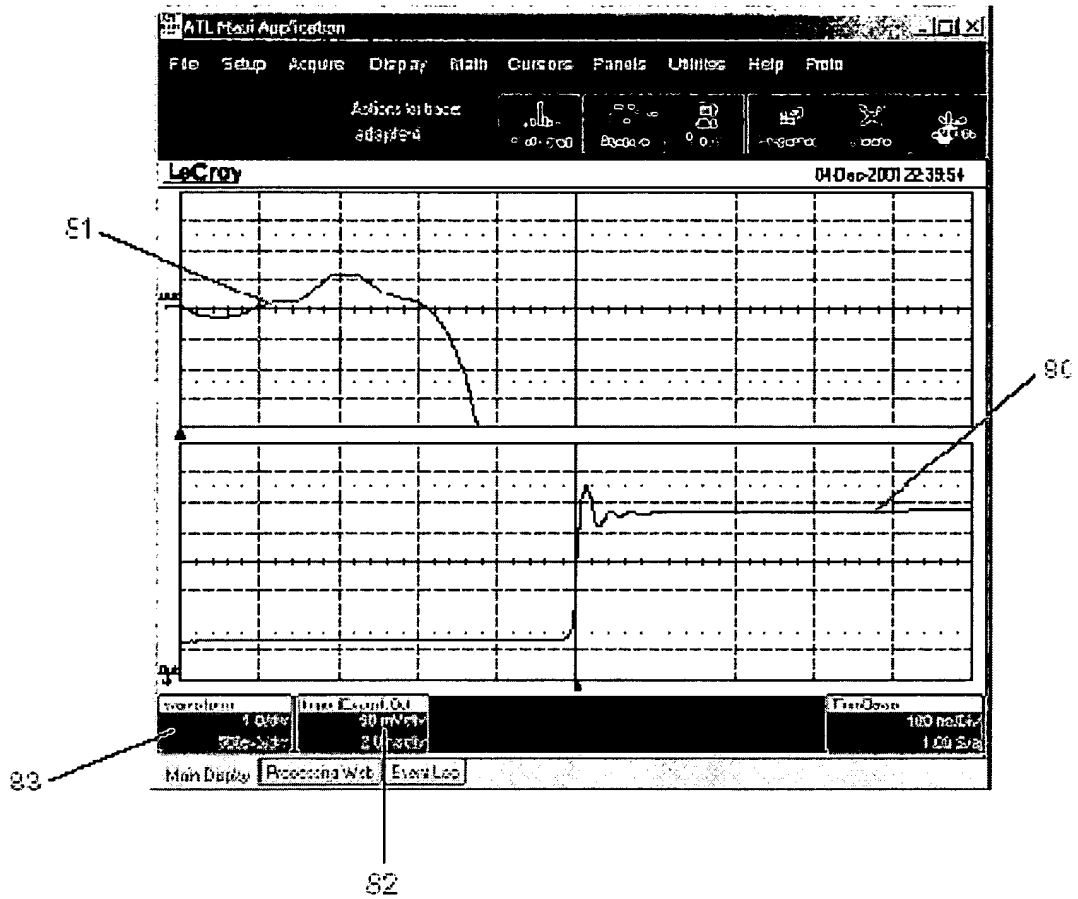


Figure 5

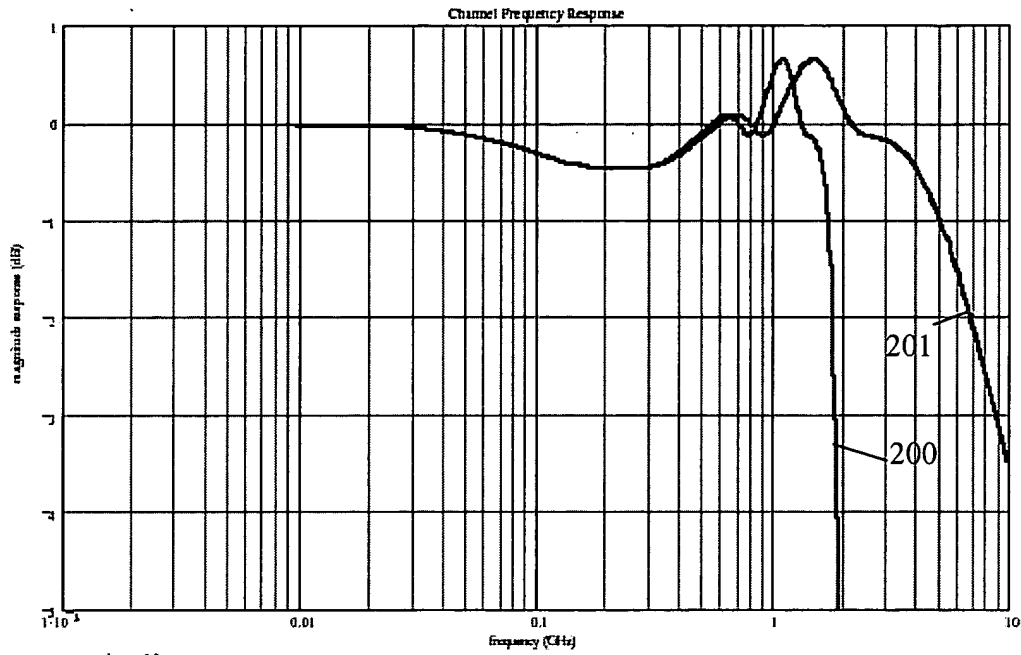


Figure 6

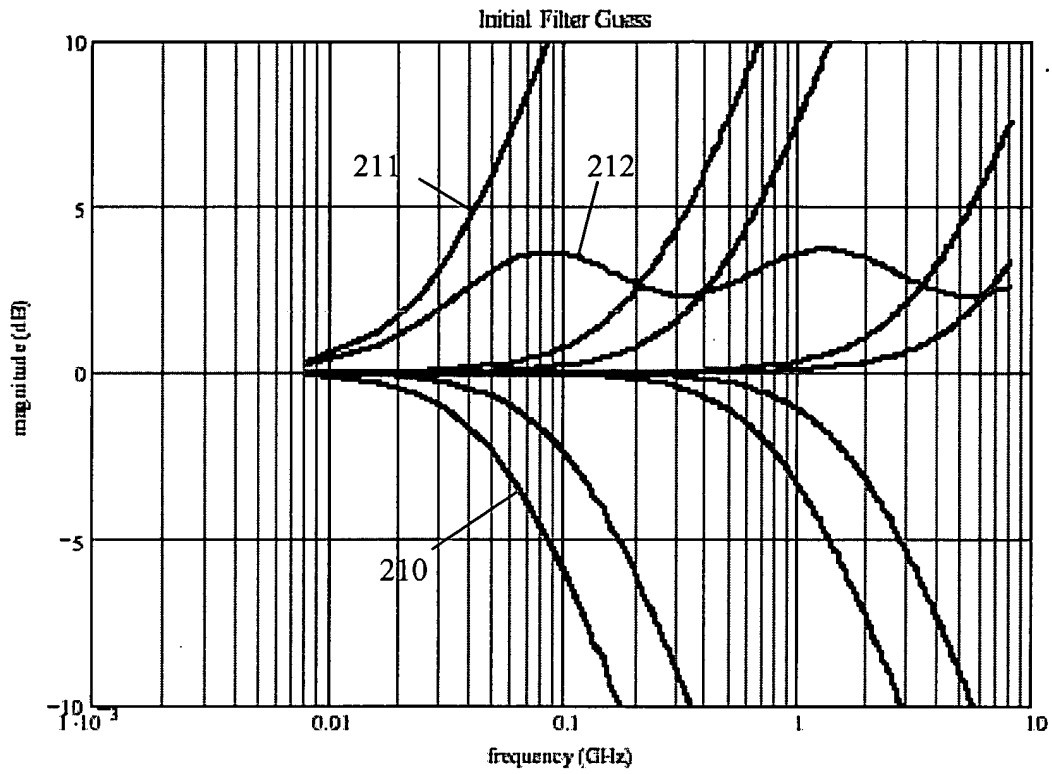


Figure 7

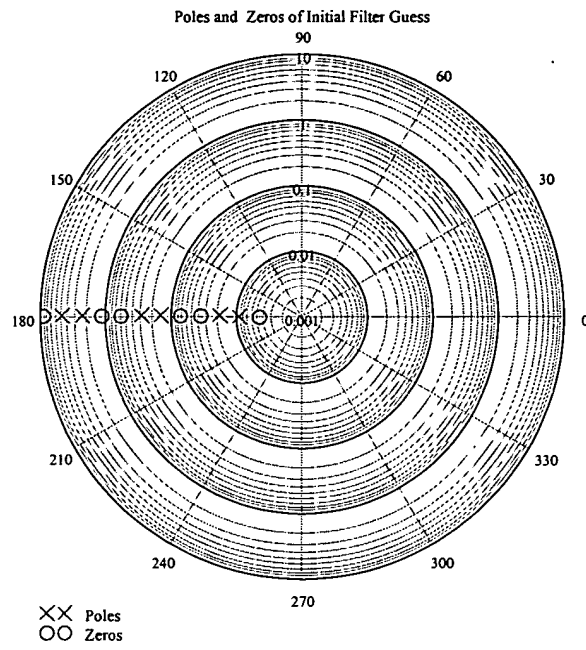


Figure 8

20220715006001

8

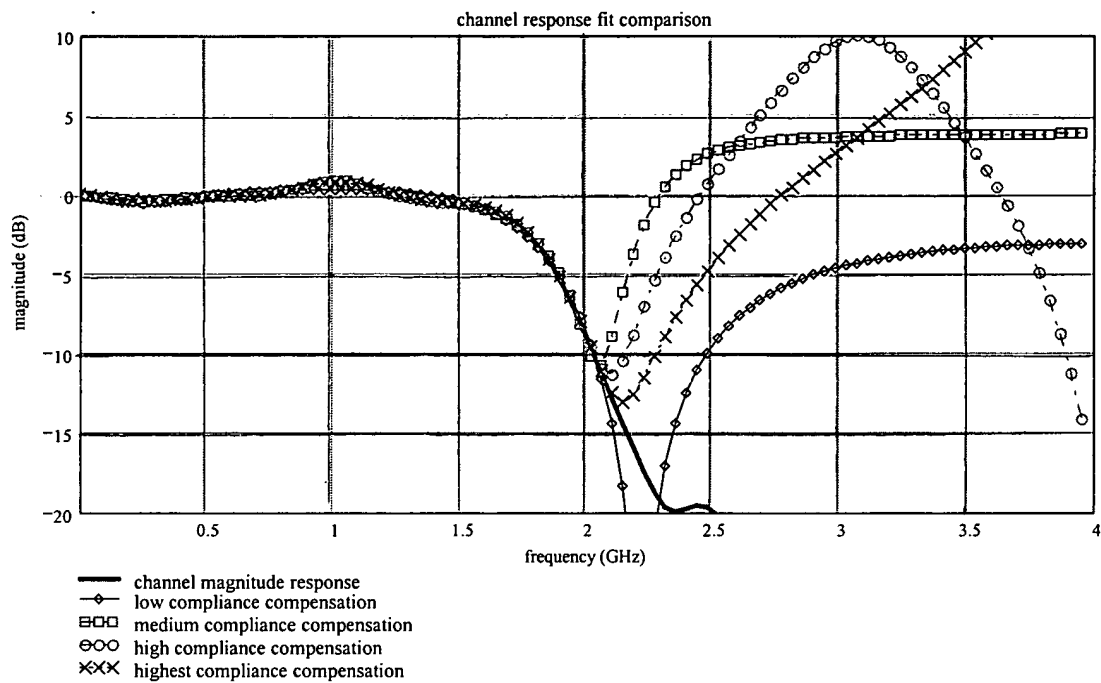


Figure 9

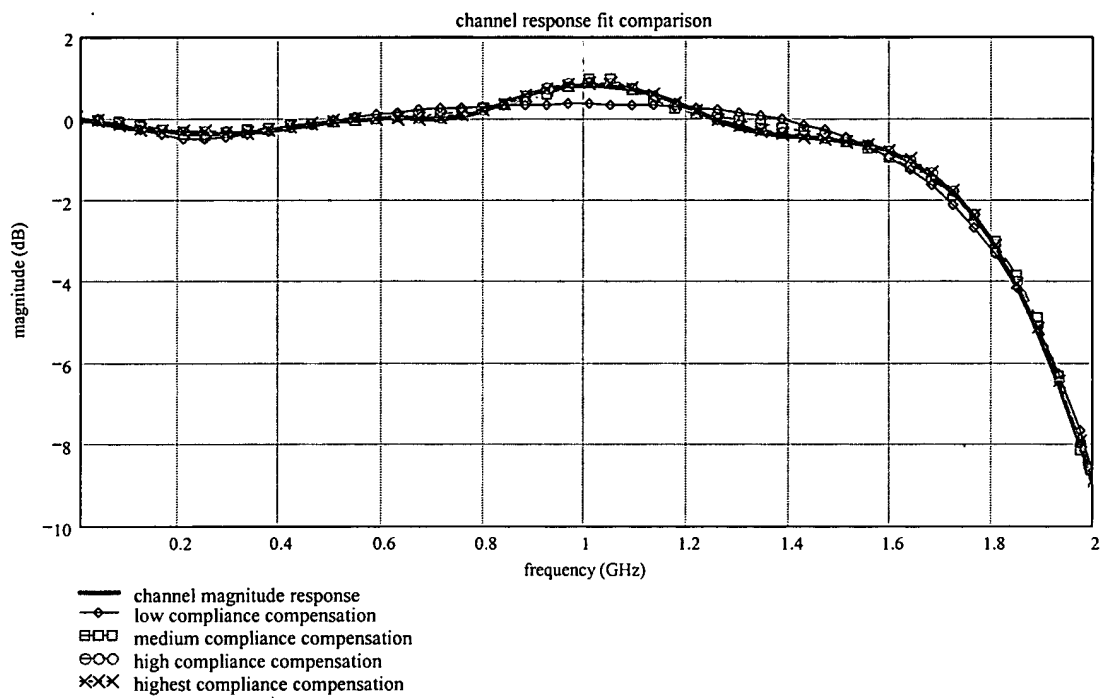


Figure 10

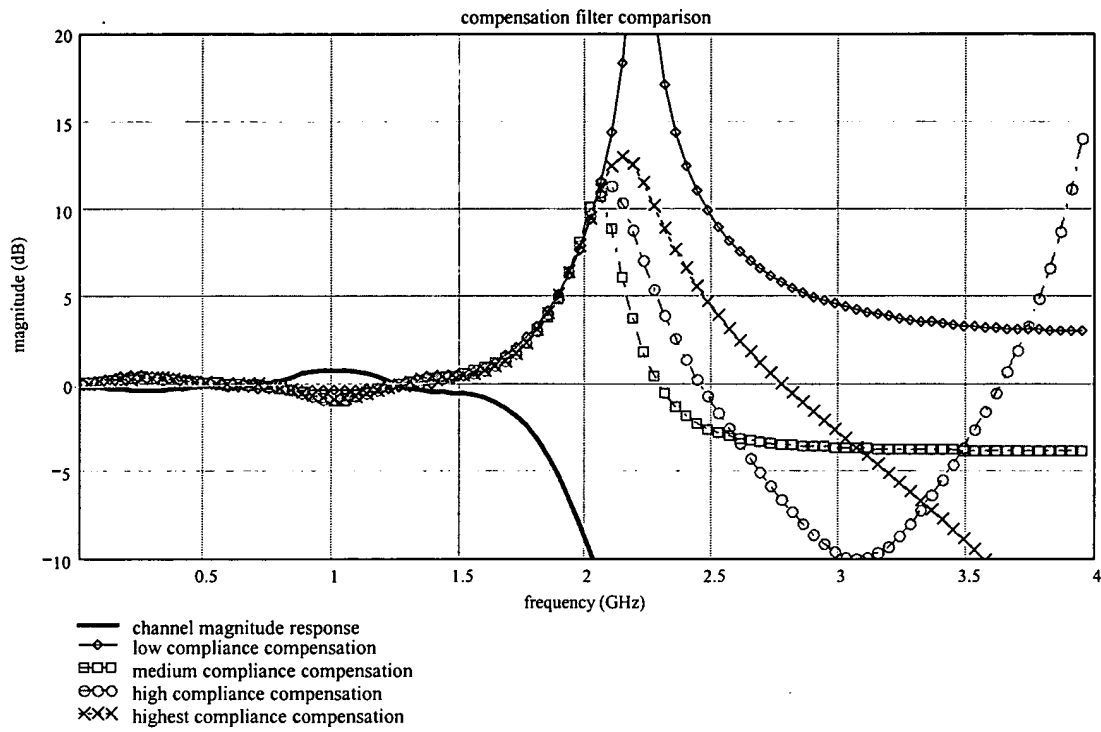


Figure 11

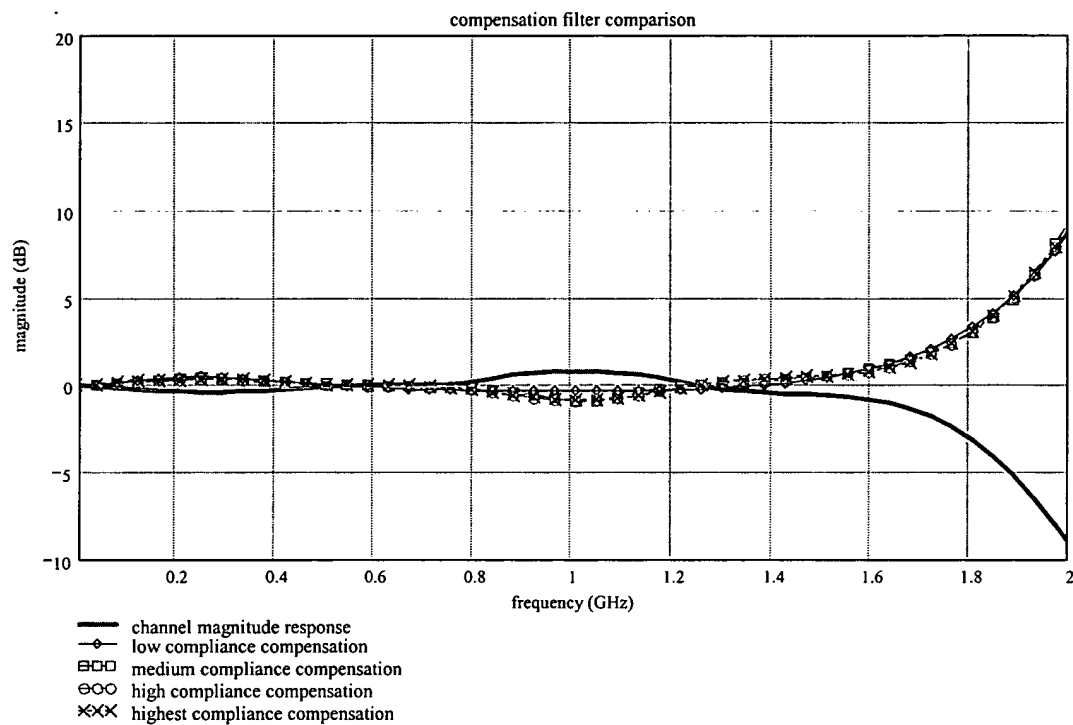


Figure 12

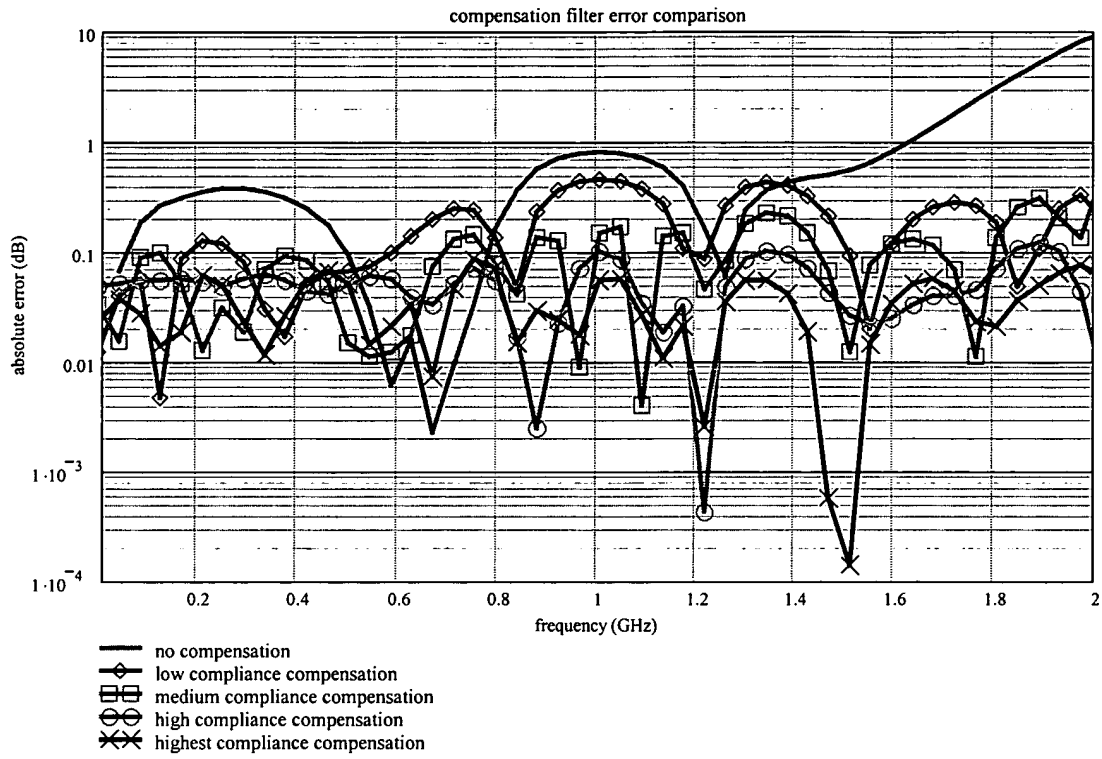


Figure 13

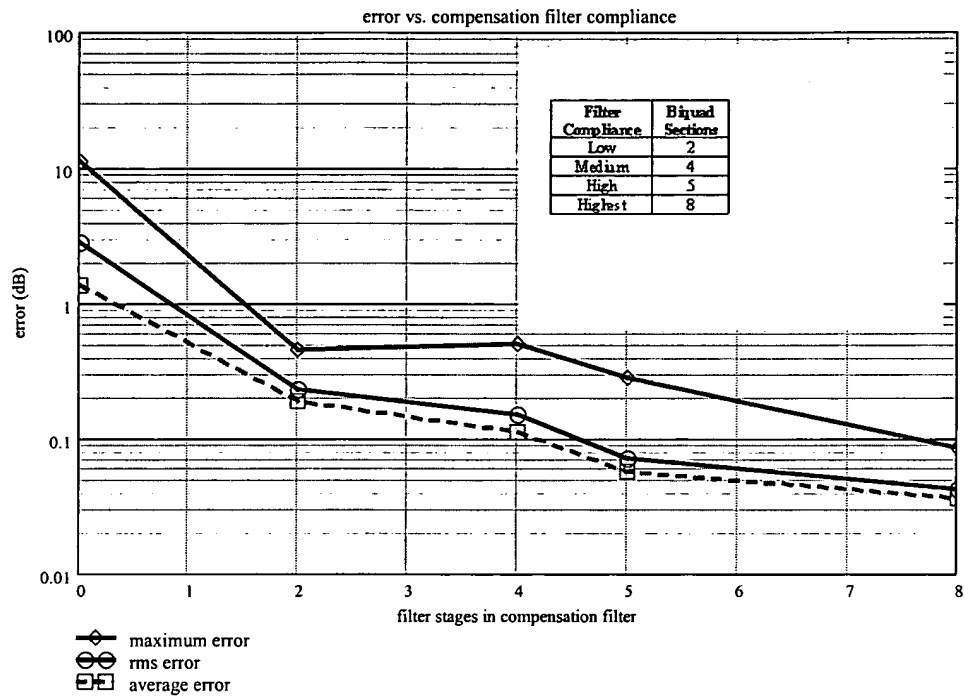


Figure 14

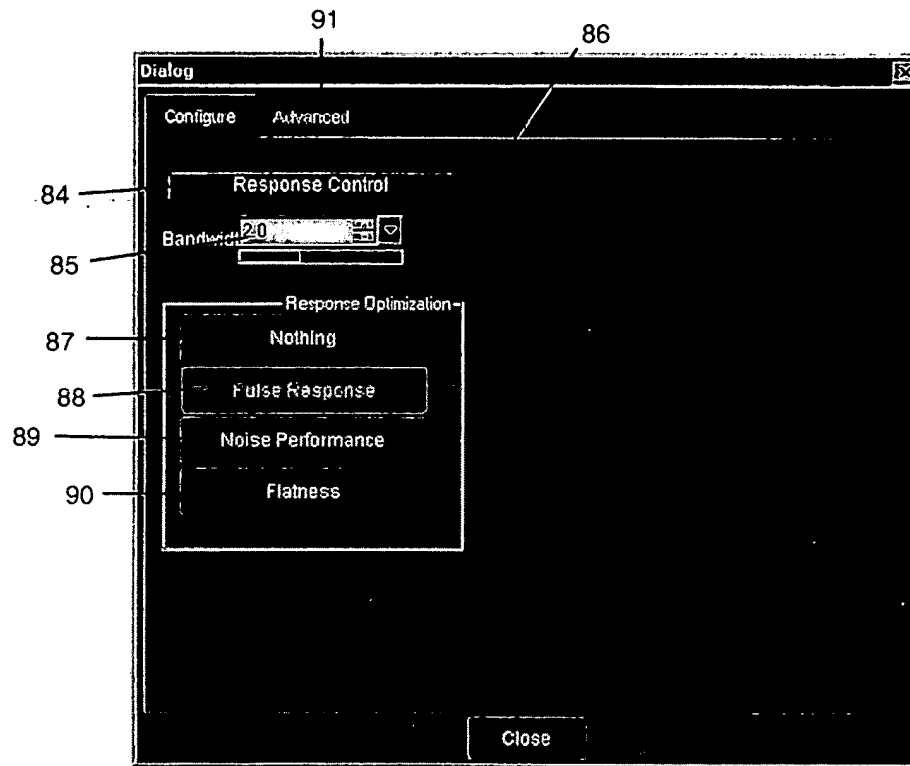


Figure 15

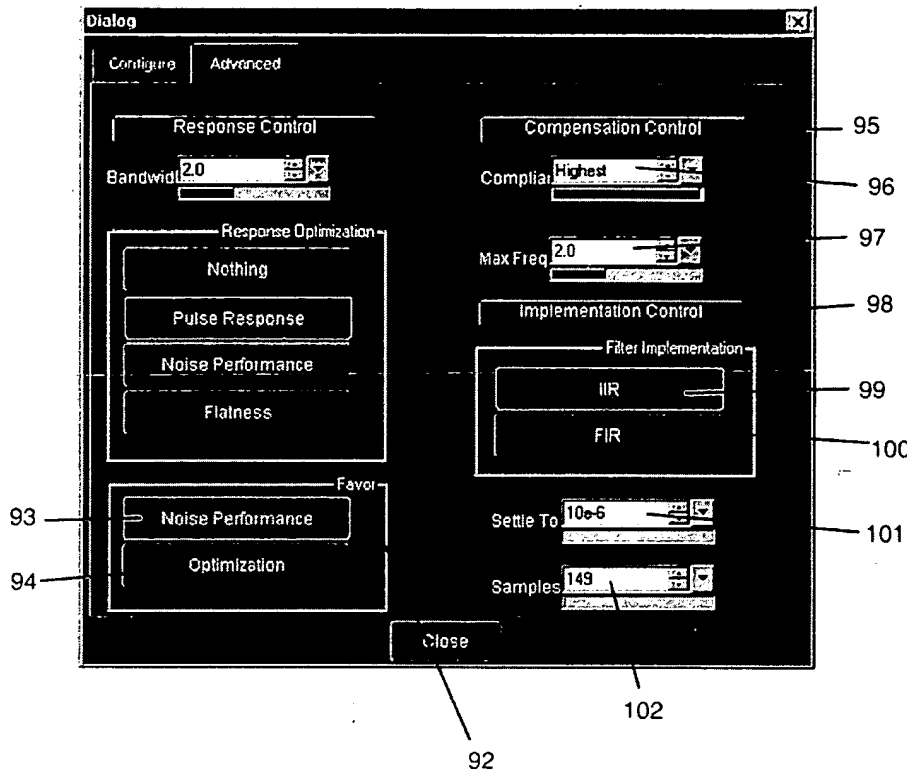


Figure 16

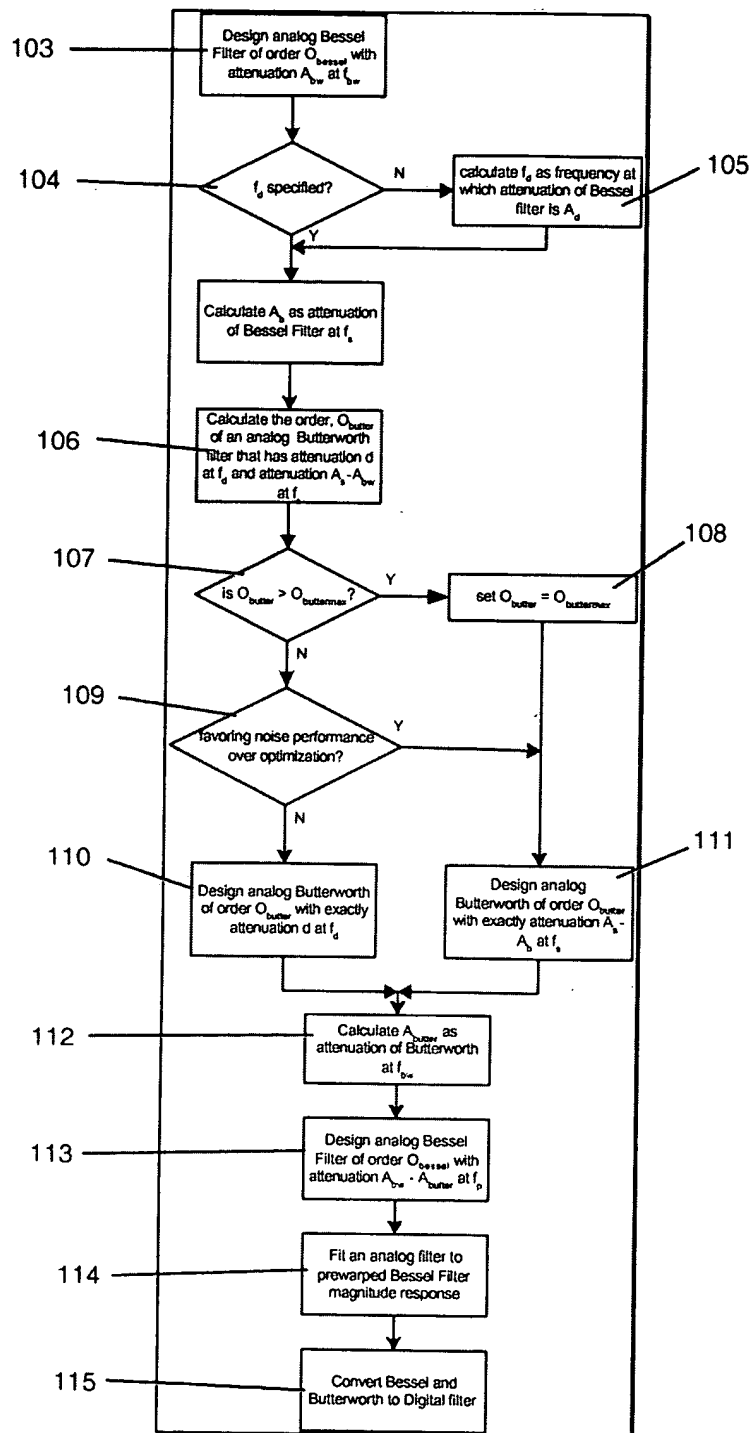


Figure 17

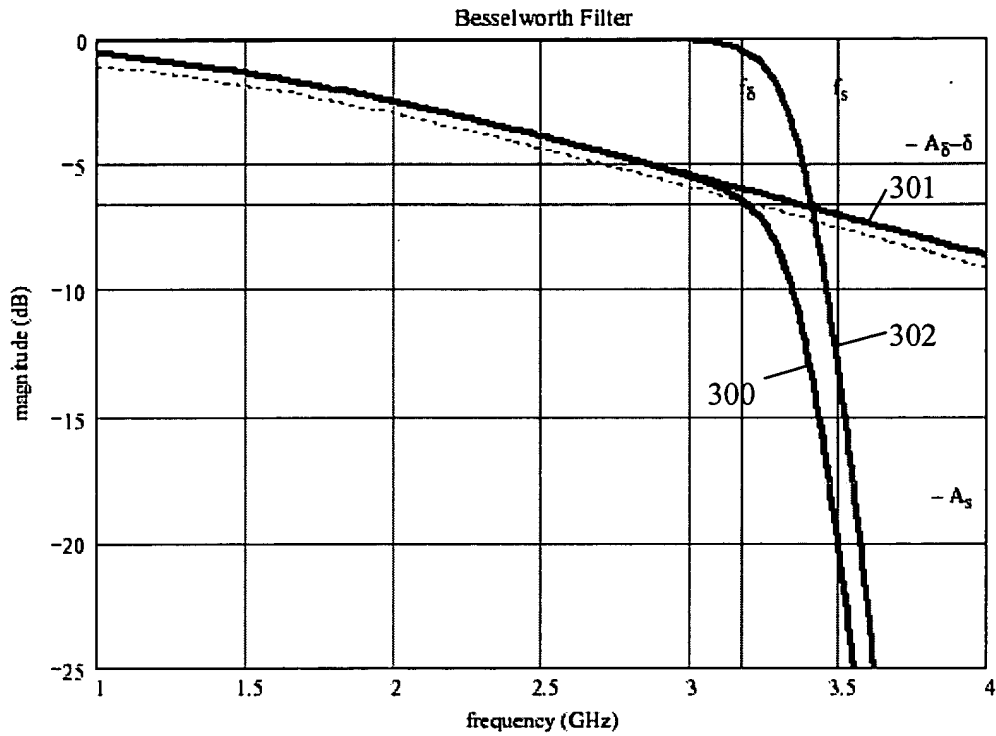


Figure 18

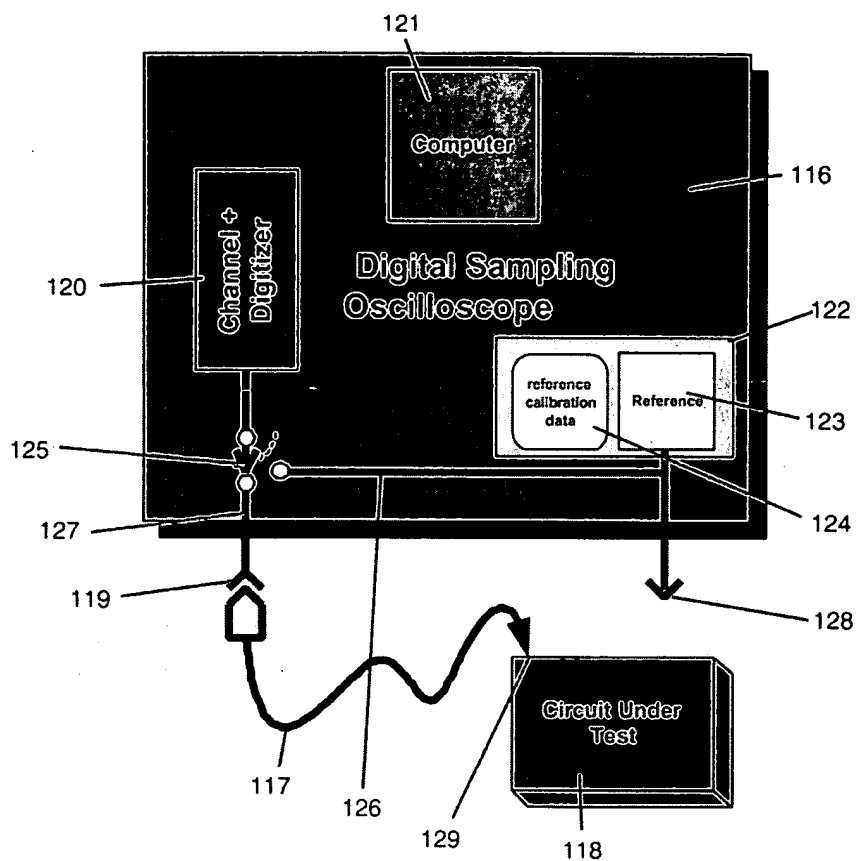


Figure 19

LeCroy WP9600234 12/11/01 23:17

Input Specifications:

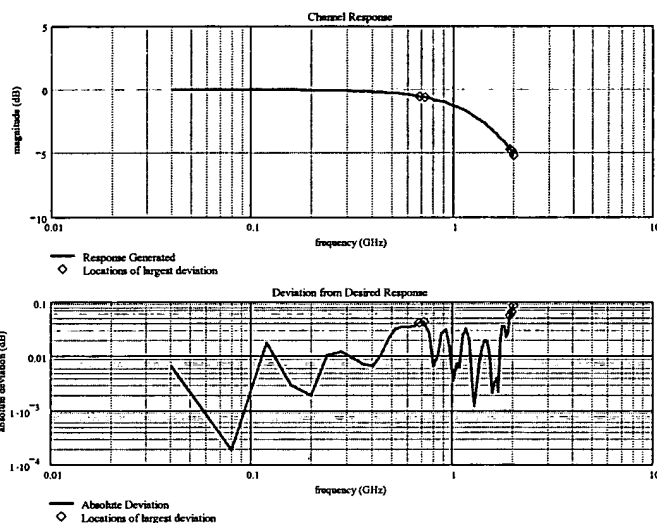
Bandwidth: 1.5 GHz
Optimization: Pulse Response Bessel - 2nd order
Compliance: Highest
Max Compensation Frequency: 2 GHz

Response specified to deviate from Bessel response by no more than $d=0.1$ dB out to $A_d = 6$ dB attenuation

Implementation Notes:

A_d changed from 6.0 to 5.164. Reason: $f_d=2.2$ exceeded Max Compensation Frequency.

Output Specifications:



Maximum Absolute Deviation: 0.085 dB @ 2.00 GHz
Maximum Positive Deviation: 0.065 dB @ 1.96 GHz
Maximum Negative Deviation: -0.085 dB @ 2.00 GHz
Average Deviation: 0.020 dB
RMS Deviation: 0.026 dB

Attenuation at $f_p = 1.5$ GHz: -2.94 dB

Bandwidth: 1.52 GHz

Five Largest Deviation Points:

-0.085 dB @	2.00 GHz	+0.065 dB @	1.96 GHz
+0.056 dB @	1.92 GHz	+0.042 dB @	0.72 GHz
+0.042 dB @	0.68 GHz		

Figure 20